Thursday, 28/05/2009 9:02:12 AM

User:

Chantal Lavoie

Process Sheet

Customer Job Number : CU-DAR001 Dart Helicopters Services

: 45851

: 10160 **Estimate Number**

P.O. Number

: 28/05/2009

This Issue

Prsht Rev. : NC

: //

First Issue **Previous Run**

Written By

Comment

: 43594

Type

S.O. No. :

: PURCHASED PARTS

Part Number

Due Date .

Drawing Name

: D2137

: D2137 REV 93.29.06

: NO STEP LABEL

Drawing Number Project Number

: N/A : 93.29.06

Drawing Revision

Material

: 23/02/2009

Qty:

20 Um:

Each

Checked & Approved By

1369105128

: Est:

02.02.01

Added step 3 and Inspection level 21

SM

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description:

PURCHASING

1.0



Comment: PURCHASING

PG

Issue P/O 28岁7

Make per Dwg 2137

CL09105129

2.0

D2137P

Decal - No Step



Comment: Qty.:

1.0000 Each(s)/Unit Total:

20.0000 Each(s)

DECAL- NO STEP

3.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Receive & Inspect for Transit Damage

Ensure Material Release Note is attached

4.0

QC5

Comment: INSPECT WORK TO CURRENT STEP

5.0

Location:

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Date: User: Thursday, 28/05/2009 9:02:12 AM

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: NO STEP LABEL

Job Number: 45851

Part Number: D2137

Job Number:



Seq. #:

Machine Or Operation:

Description:

6.0

QC21

FINAL INSPECTION/W/O RELEASE

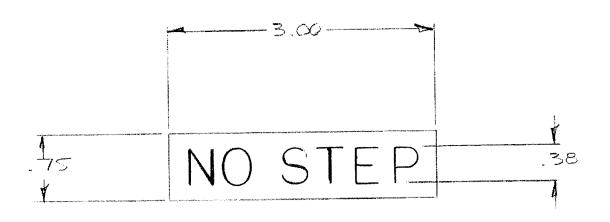


Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



me 09-06-08



ALTERNATE MATERIAL.

3M 7 ME MASONS FOR #8527 (P

SIEVER OR WILLE ON ELACK

af or of est

MATERIAL: 3M POLTESTER

MATURAL (SILVER OR

WHITE) ON BURCIS

. DOB THICK

				RIVET CODE SHA	LL BE PER NAS 523	PART NO.	ITEM D	ESCRIPTION	MATERIAL	SPEC./VENDOR
	REVISION	THIS DRAWING IS PROVITE AND CONFECENTIAL AN	O IS SUPPLIED ON THE EXPRESS CONDITION THAT		1 DA DASH NO.	CONTINCT NO	L	T	DART AERO ACCE	SCORIES INC
	DRAWN .	IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMITMOUT THE PERMISSION OF DART ALRO.	MED ON COMMANMENTED TO ANY DITHER PERSON	MSK COOK	HOHEAD NEAR SIDE FOHEAD FAR SIDE			DAF	VANCOUVER	CANADA
	APPROVED				 	onum /	DATE 71	TARCOUNT.		
	DESCRIPTION	REQUIREMENTS UNILES GLIMAL	SS OTHERMISE SPECIFIED (MATS	D-OMPLE DIGIT-NO OF SHEETS C+COUNTERSHIK	WHISPOTWELD	DESIGN THE	1 42	1		
	Of Of	1. Disclinstrate and or incres 1. Disclinstrate and or incres 1. Disclinstrate and or incres 1. Disclinstrate 2. SERVER DISCRIPTION 2. SERVER DISCRIPTION 2. ARCLES 2. W. 3. PROPAGE Fig. Big. 1. 2. 1742 3. PROPAGE Fig. Big. 1. 1742 3. PROPAGE FIG. 1. 10075 3. PROPAGE FIG. 1. 10075 4. W. T.		BASIC CODES 83-M520476A0 88-M570476A0		STRESS		mu D	ECAL-NO	STEP
	CHANGE	\$ HOLES PER AND TOTAL	4 ECCENTRICTY			CHECKED		COOK	D213	7
		DE PORT	ALL DISCREPANCIES - DO NO	DI SCALE	•	1		1	SCALE SHI	1 or 1

Product Bulletin 8522



Release F, Effective January 2003 Black bar in margin indicates a change

Scotchcal [™] Opaque Imaging Media 8522

Description

This media is specially formulated to dry quickly after printing. Production of outdoor weatherable and long-term indoor durable graphics is now easier than ever. Its changeable adhesive allows easy removal for up to one year.

Advantages

- Optimized for use with selected Epson Stylus Pro printers and Epson Archival inks.
- Optimized for use with selected HP DesignJet Printers and HP DesignJet Ink System UV or HP83UV Color Ink System
- For making opaque, laminated graphics that are outdoor weatherable and long-term indoor durable
- Media:
 - For opaque (reflective) graphics
 - Changeable, easy to remove from warranted substrates up to 1 year later :
 - Dries quickly after printing so the overlaminate can be applied almost immediately
 - Low slippage paper liner for superior tiling
- Overlaminates:
 - Provide additional UV (ultraviolet) and physical protection for making weatherable finished graphics
 - Available in luster and matte gloss
 - Adhesive allows for heat-assisted or cold-temperature lamination

Applications and Uses

3M[∞] Scotchcal[∞] Changeable Opaque Imaging Media 8522 is intended only for ink jet printing and for use with the listed Compatible Products and Equipment and the following applications. Any other application is NOT warranted by 3M or covered by the worldwide 3M[™] MCS[∞] Warranty unless 3M gives its prior written approval for the application.

- First surface images (the image is on top of the film) for opaque posters and signs, including:
 - Graphics for vans, personal vehicles, trucks and buses
 - Novelty posters
 - Retail and point-of-purchase displays
 - Information graphics such as maps and directories
 - Entertainment promotions in museums, zoos, parks, theatres, sports venues
 - Education and presentation graphics

- Legal and courtroom exhibits
- For flat or simple curved surfaces, with or without rivets, used in vertical (± 10°) applications

Limitations of End Uses

The following uses and applications are specifically NOT warranted.

- Fleet applications in areas that use salt for winter road maintenance
- Application to non-warranted substrates, including wallboard
- Applications subjected to gasoline vapors or spills
- Application to corrugated or highly irregular surfaces or sharply raised areas
- Graphics applied to stainless steel, including stainless steel vehicles
- On flat surfaces with rivets, tenting of 4 to 10 mm around rivets may be expected; rivets may be cut around to eliminate tenting.

Note: Standard ink jet technology is water based. Waterbased chemistry is susceptible to the extremes of heat and humidity. This is a factor in most product constructions on the market. Read the Fabrication. Shelf Life and Storage sections in this bulletin. Staying in the middle of these ranges always provides optimum performance.

Compatible Products and Equipment

Thermal Ink Jet Printing Systems

- Epson Stylus Pro 9500, Stylus Pro 10000 printer
 - Epson Archival Inks
- Epson Stylus Pro 10600 printer
 - Epson Archival Inks
- HP DesignJet Printers 2000 and 3000 series
 - HP DesignJet Ink System UV (pigment-based ink)
- HP DesignJet Printers 5000 series
 - HP83UV Color Ink System

Overlaminates (required)

- 3M[™] Luster Overlaminate 8519 (semi-gloss)
- 3M[™] Matte Overlaminate 8520

Note: For the full product names of the 3M products listed on this page, please see page 1.

Warranted Substrates

Media 8522 is warranted for use on the following rigid substrates.

Some substrates may "out-gas", resulting in tiny bubbles throughout the surface of the graphic. For maximum performance, be sure the substrate you select is properly cleaned and prepared as recommended by the manufacturer. See Instruction Bulletin 5.1 for additional information.

- Alodine (anodized aluminum)
- Automotive panels (automotive painted steel)
- Fruehauf (painted aluminum)
- FRP (fiberglass reinforced plywood)
- Glass
- Imron® (polyurethane-painted metal panel)
- Acrylic
- Sintra * board

Test and Approve Non-warranted Substrates Before

Media 8522 is not warranted for any substrate other than those listed above. If you want to use it for other substrates, Mecommends that you test and approve the media for both adhesion and removal characteristics.

Characteristics

Characteristic	Description		
Media	7 mil, white, opaque graphic film		
Liner	Low-slippage, lay flat paper		
Adhesive	Changeable, pressure sensitive		
Thickness (media and adhesive)	7.5 to 8 mil (nominal)		
Application substrates	See Warranted Substrates, above		
Application surfaces	Flat or simple curved surfaces, with or without rivets, used in vertical (± 10°) applications (no corrugations)		
Application temperature range	28° to 110°F (-2° to 43°C) (air and surface)		
Roll sizes	36" x 45 feet (914 mm x 13.5 m) 54" x 45 feet (1372 mm x 13.5 m)		

How to Become a 3M Ink Jet Registered Fabricator

Only 3M Thermal Ink Jet Registered Fabricators are eligible to offer 3M MCS warranted graphics. In order to become certified, a fabricator must complete the requirements as specified in the 3M Ink Jet Graphics Registered Fabricator Reference Manual located on the 3M website at www. scotchprint.com

Effective Performance Life

To obtain the warranty given below, the graphics must be made according to 3M's recommendations which are detailed in the Warranty and Limited Remedies on page 3. Also see the section, Removability.

Warranted Durability

Media 8522	Epson Pr	inters	HP Printers		
Overlaminate 8519 or 8520	Outdoor	indoor	Outdoor	Indoor	
Applied to Warranted Substrates	2 years	5 years	3 years	5 years	

Removability

Imaging media 8522 is removable from warranted substrates for 1 year without the aid of chemical strippers or accessories. Refer to Instruction Bulletin 4.23 for additional information.

Fabrication

Graphics must be made according to 3M's recommendations which are detailed in the Warranty and Limited Remedies on page 3.

See Instruction Bulletin 4.23 for detailed fabrication, printing and mounting information.

Graphic Construction Options

Opaque (Reflective) Graphics

Opaque graphics made with imaging media 8522 require an overlaminate and an opaque substrate.

Viewer/Light Source	
	Overlaminate 8519, 8520 Adhesive on bottom
	Imaging Media 8522 Image on top; adhesive on botton
	Opaque Substrate

Note: For the full product names of the 3M products listed on this page, please see page 1.

Shelf Life and Storage

- 3M ~ Scotchcal ~ Changeable Opaque Imaging Media 8522 has a shelf life of one year.
- Storage conditions (new and partially used rolls). For optimum performance, use the middle of these ranges:
 - Original packaging, including plastic wrap
 - Relative humidity of 20% to 80%
 - Temperature of 33° to 104°F (0° to 40°C)
 - Away from direct sunlight
- Do not stack unprotected rolls or lay sharp or heavy objects on them.

Health and Safety

Caution

When handling any chemical products, read the manufacturers' container labels and the Material Safety Data Sheets (MSDS) for important health, safety and environmental information.

To obtain MSDS sheets for 3M products:

- By fax, call 1-800-364-0768 in the US and Canada or 1-650-556-8417 for all other locations.
- Electronically, visit us at http://www.3M.com/msds.
- · By mail, or in case of an emergency, call 1-800-364-3577 or 1-651-737-6501.

When using any equipment, always follow the manufacturers' instructions for safe operation.

Warranty and Limited Remedies

3M ™ MCS™ Warranty for Graphics Produced on HP DesignJet Printers and Epson Stylus Pro Printers

The following is made in lieu of all other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose: We warrant graphics produced by a 3M Ink Jet Registered Fabricator made with imaging media 8522, printed on an approved HP thermal ink jet printer according to HP's recommendations or Epson Stylus Pro printer according to Epson's recommendations, overlaminated with 8519 or 8520, and applied to a Warranted Substrate according to 3M's recommendations. These

3M Canada

P.O. Box 5757

London, Ontario

Canada N6A 4T1

1-800-265-1840

Fax 519-452-6245



Commercial Graphics Division 1M Center, Building 220-6W-06 PO Box 33220

St. Paul, MN 55133-3220 USA General Info. 1-800-374-6772 Technical Info. 1-800-328-3908

Fax 1-651-736-4233 Fax on-Demand 1-800-364-0768 US/Canada or 1-651-732-6506 International Fax-on-Demand document: 4506 w.ww.scotchprint.com

graphics are covered against failure caused by ultraviolet light, temperature extremes, pollution, and other elements.

If a graphic fails to perform in accordance with 3M product specifications within this time frame, 3M will replace the materials at no charge. These remedies are exclusive. In no case shall 3M be liable for any direct, indirect, or consequential damages, including any labor charges.

3M Related Literature

Listed below is related 3M technical literature that may be of interest. You may view and print these Bulletins from our Web site at www.scotchprint.com, or order them via our Faxon-Demand (FOD) system. Call one of these phone numbers to order the desired bulletins, and specify the FOD document number provided in the chart.

United States or Canada: 1-800-364-0768 International: 1-651-732-6506

International: 1-051-752-0500	Bulletin No.	FOD No.
Product Bulletins		
3M Scotchcal Overlaminate 8519 and 8520 Proceedings	8519/8520	4524
Instruction Bulletins		1
Making thermal ink jet graphics	4.23	6523
Application, substrate selection, preparation and substrate-specific application techniques	5.1	7001
Warranties		9503
Worldwide 3M MCS Warranty Packet (includes all Commercial Graphics MCS Warranties)		
Worldwide,3M ** MCS ** Warranty Overview-Folder		

3M. Scotchcul and MCS are trademarks of 3M. Epsor and Stylus Pro are trademarks of Epson. HP and DesignJet are tradenames of Hewlett Packard. Sintra is a trademark of Swiss Aluminum Ltd. Imror, is a registered trademark of DuPont in the United States

Bulletin Change Summary

The Epson Stylus Pro Printers 9500, 10000 10600, and Epson Archival Inks have been added to this bulletin. Additional changes resulting from this addition are marked with black bars in the margin.

Fax 52-55-52-70-22-77

3M México, S.A. de C.V. Av. Santa Fe No. 55% Col. Santa Fe, Del. Alvaro Obregón México, D.F. 01210 52-55-52-70-04-003M Puerto Rico, Inc. Puerto Rico Industrial Park PO. Box 100 Carolina, PR 00986-0100 787-620-3000 Fax 787-750-3035

©3M 2003. All rights reserved. Product Bulletin 8522 - 3